



*Spawning gravel is injected just below Whiskeytown Dam as the Dam prevents the natural flow from the upper reaches of the watershed.*

## **Purpose**

Acquire, generate, analyze, and interpret watershed data needed by watershed groups, government agencies, and other organizations interested in watershed management.

## **Project Goals**

- Acquire, analyze, interpret, and generate scientific data for use by citizens.
- Develop a WIM to help make sound scientific data readily available to watershed groups; local, state, and federal agencies; education institutions; and other interested citizens to help improve watershed management.
- Provide an online data catalog of GIS files with interactive viewing capabilities and real time updates.
- Include an outreach program to advertise the availability of the WIM.

**Award Amount**  
\$378,899

**Watershed**  
Sacramento River Watershed

**County**  
Shasta County

**CALFED Region**  
Sacramento Valley Region

**Legislative Districts**  
US Congress: 2  
State Assembly: 2  
State Senate: 4

## **Benefits to the CALFED Program**

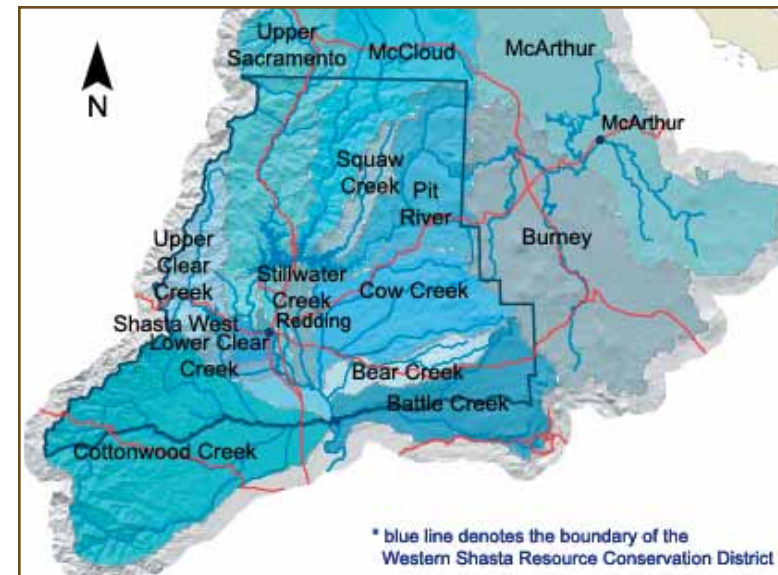
*The WIM recognizes the importance of linking scientific research and scientific data to support watershed management decisions. Better informed decisions are crucial to achieving the CALFED Program goals of improving ecosystems and water quality. This project provides development and exchange of sound scientific data among citizen groups and organizations; local, state and federal agencies; and others interested in improving watershed management and the Bay-Delta system. The WIM is providing web-based data, including historical data, physical attributes of watersheds, and other information that will help meet current and future data needs. The available information ultimately will lead to improved understanding and management of the watersheds of the Bay-Delta system.*

## Project Overview

This project makes sound scientific data available through the Internet to watershed groups; local, state, and federal agencies; education institutions; and other interested citizens. The data are used to improve decision-making and adaptive watershed management intended to improve watershed health in the Western Shasta watersheds. The project helps to link scientific research with science education and science-based watershed management. It offers unprecedented opportunities for the scientific community to acquire, analyze, interpret, and distribute new science data to formal and informal learning settings for use by students, citizens, and watershed groups.

This project is developing a Watershed Information Model (WIM). A WIM is an information resource center that enables watershed-related data sharing. The data include historical information, physical features, and other watershed attributes. The WIM includes readily accessible web-based data, a data catalog of GIS files with interactive viewing capabilities, real time updates, and other features.

The WIM links agency and research data with education and land management activities, offering interactive information instead of a static website. The WIM also supports opportunities for student research, internships, and mentoring at the college level. The WIM adds support for decision-making in watershed management, including monitoring, research, and project planning and implementation. It enables feedback loops to integrate knowledge and experience to improve adaptive management. Information exchange also helps to improve communication among agencies, watershed groups, individuals, trade organizations, interest groups, and others active in the watershed. It provides a shared database of science information necessary for making responsible decisions on watershed issues.



*Watersheds within the Western Shasta Resource Conservation District are detailed in this WIM.*

## Contact Information

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